

# Memorandum

Date: December 2, 2003

To: Kathy Hill  
Fisheries Management District Supervisor  
Department of Fish and Game  
Region 2  
1701 Nimbus Road, Suite A  
Rancho Cordova, California 95670

From: Department of Water Resources

Subject: For Your Files: 2002 Antelope Lake Creel Census

In 2002, California Department of Water Resources, Northern District Student Assistants Jake Nicholas and Michelle Cederborg conducted an angler survey at Antelope Lake, Plumas County, under my direction. These surveys were conducted on 24 days from April through October 2002.

During this period, they interviewed 260 anglers who had fished 864.75 hours, with an observed catch of 62 rainbow trout, 45 brook trout, 2 brown trout (0.13 trout per hour), 36 bass (largemouth and smallmouth), 20 sunfish (reardear and bluegill) 1 brown bullhead, and 1 black crappie. In addition, 33 trout, 208 bass, and 155 other fish (nearly all sunfish) were reported caught, or caught and released.

Shore anglers included 183 anglers who fished 483 hours and caught 17 rainbow trout, 34 brook trout (0.11 trout per hour), 28 bass, and 3 sunfish, 1 brown bullhead, and 1 black crappie. They also reported they caught, or caught and released an additional 6 trout, 156 bass, and 155 sunfish.

Boat anglers included 77 anglers who fished 381.75 hours and caught 45 rainbow trout, 11 brook trout, and 2 brown trout (0.15 trout per hour), 8 bass, and 17 sunfish. They reported they caught, or caught and released an additional 27 trout and 52 bass.

Mean fork length of 45 measured rainbow trout was 34.3 cm (13.5 in.) (Figure 1). Mean fork length of 39 brook trout was 27.3 cm (10.8 in.) (Figure 2). Mean fork length of 36 bass was 38.9 cm (15.3 in.) (Figure 3). Mean fork length of 20 sunfish was 11.0 cm (4.3 in.) (Figure 4). The largest fish observed was a largemouth bass that measured 48.5 cm fork length (19.1 in.). The largest trout was a rainbow that measured 45.0 cm (17.7 in.).

Nearly 57 percent of the anglers fished exclusively with bait, 24 percent with only lures, 18 percent with both bait and lures, 1 percent with flies and other lures, and less than 1/2 percent used flies only.

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About 63 percent of the anglers originated from "local" Northeast Counties (Lassen and Plumas Counties). Nearly 18 percent were from out of state (mostly Reno and Sparks, Nevada). About 13 percent were from the Sacramento Valley Counties (mostly Butte and Glenn Counties), nearly 3 percent were from San Francisco Bay Area Counties, and nearly 3 percent from San Joaquin Valley Counties. Less than 1 percent were from Southern California (Figure 5).

If you have any questions or require additional information regarding this survey, please contact me at (530) 529-7393 or [www.hintonr@water.ca.gov](mailto:www.hintonr@water.ca.gov).



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FIGURE 1  
Length Frequency of Rainbow Trout  
Antelope Lake 2002

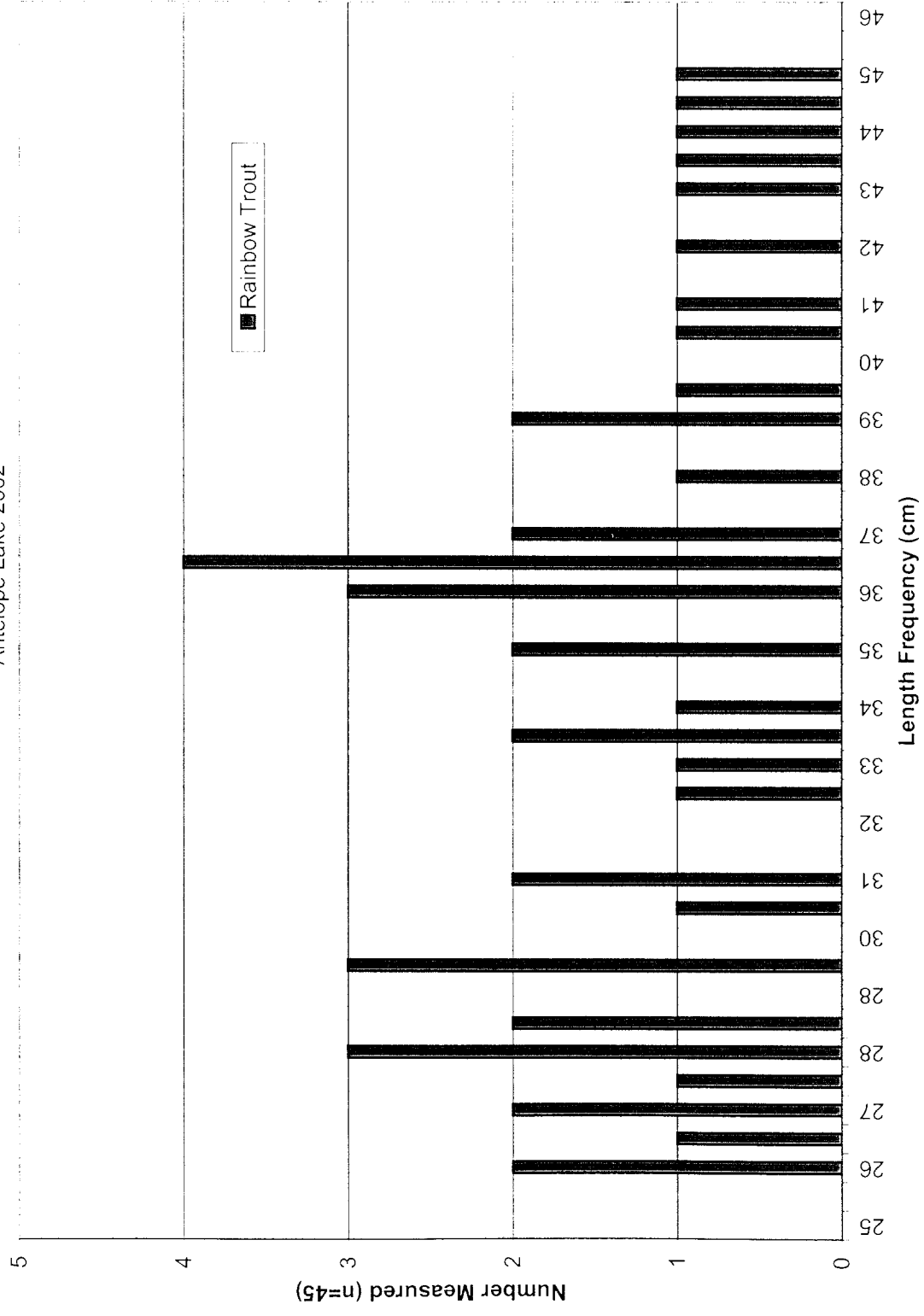


FIGURE 2  
Length Frequency of Eastern Brook Trout  
Antelope Lake 2002

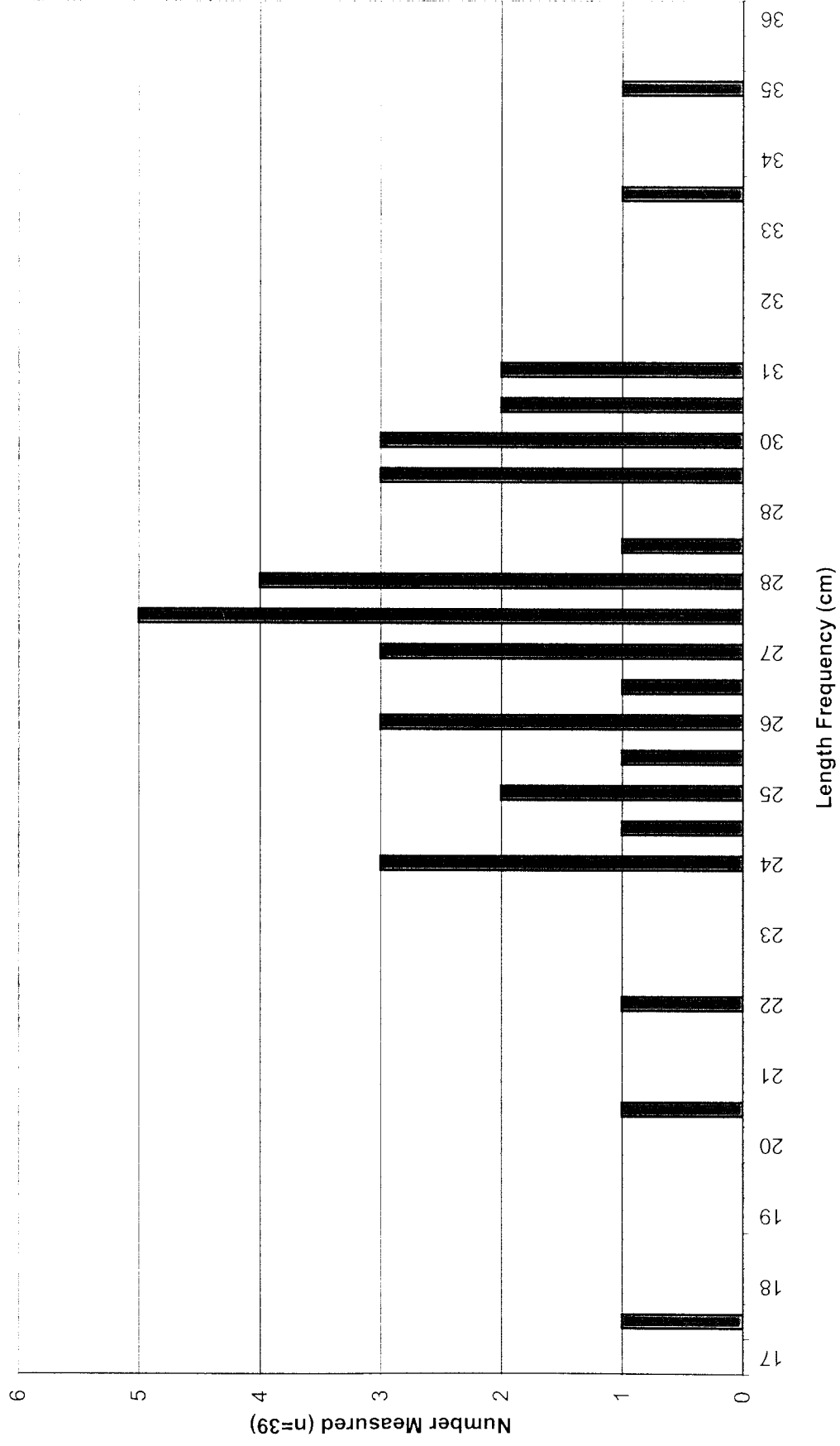


FIGURE 3  
Length Frequency of Largemouth and Smallmouth Bass  
Antelope Lake 2002

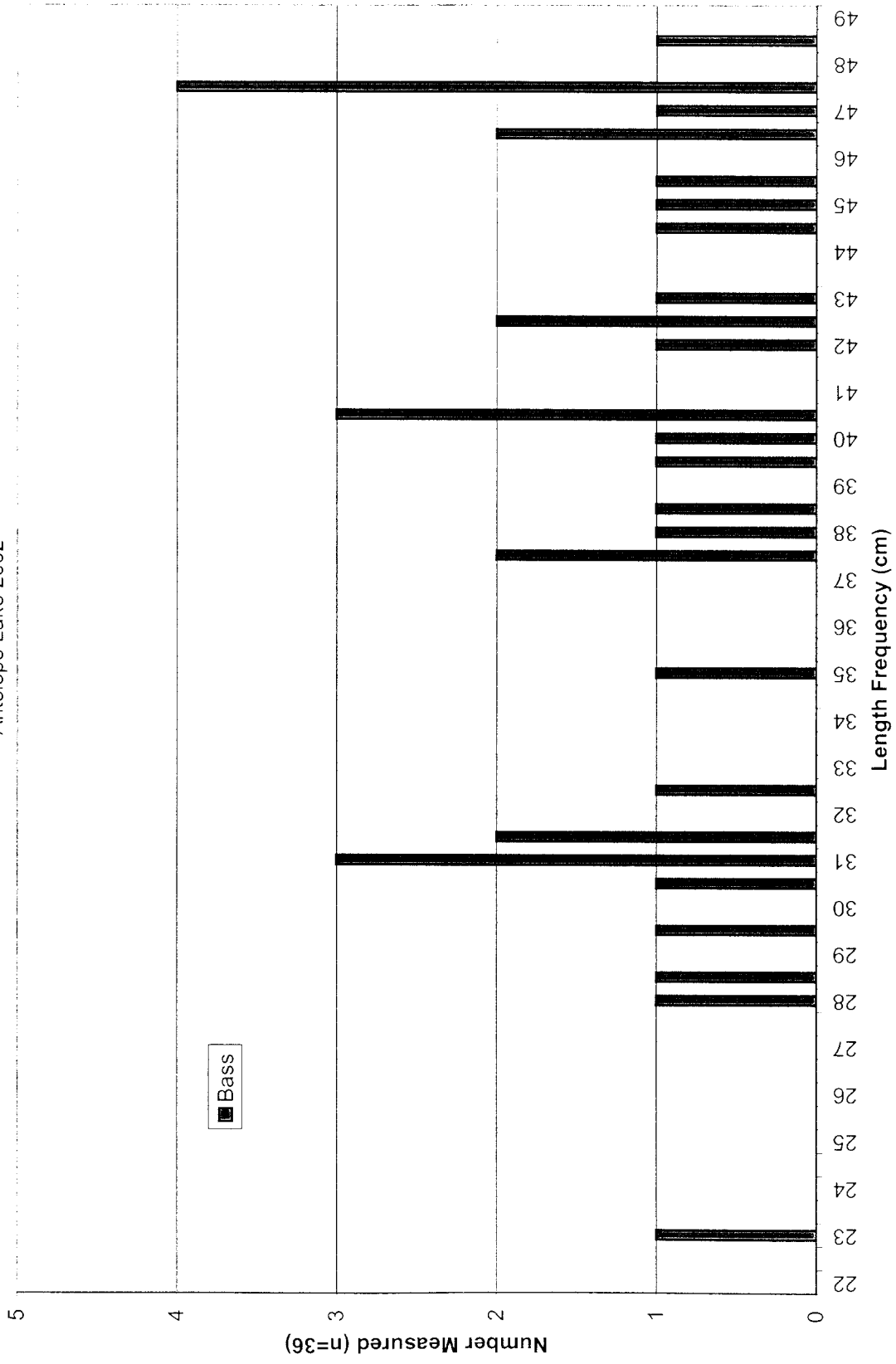
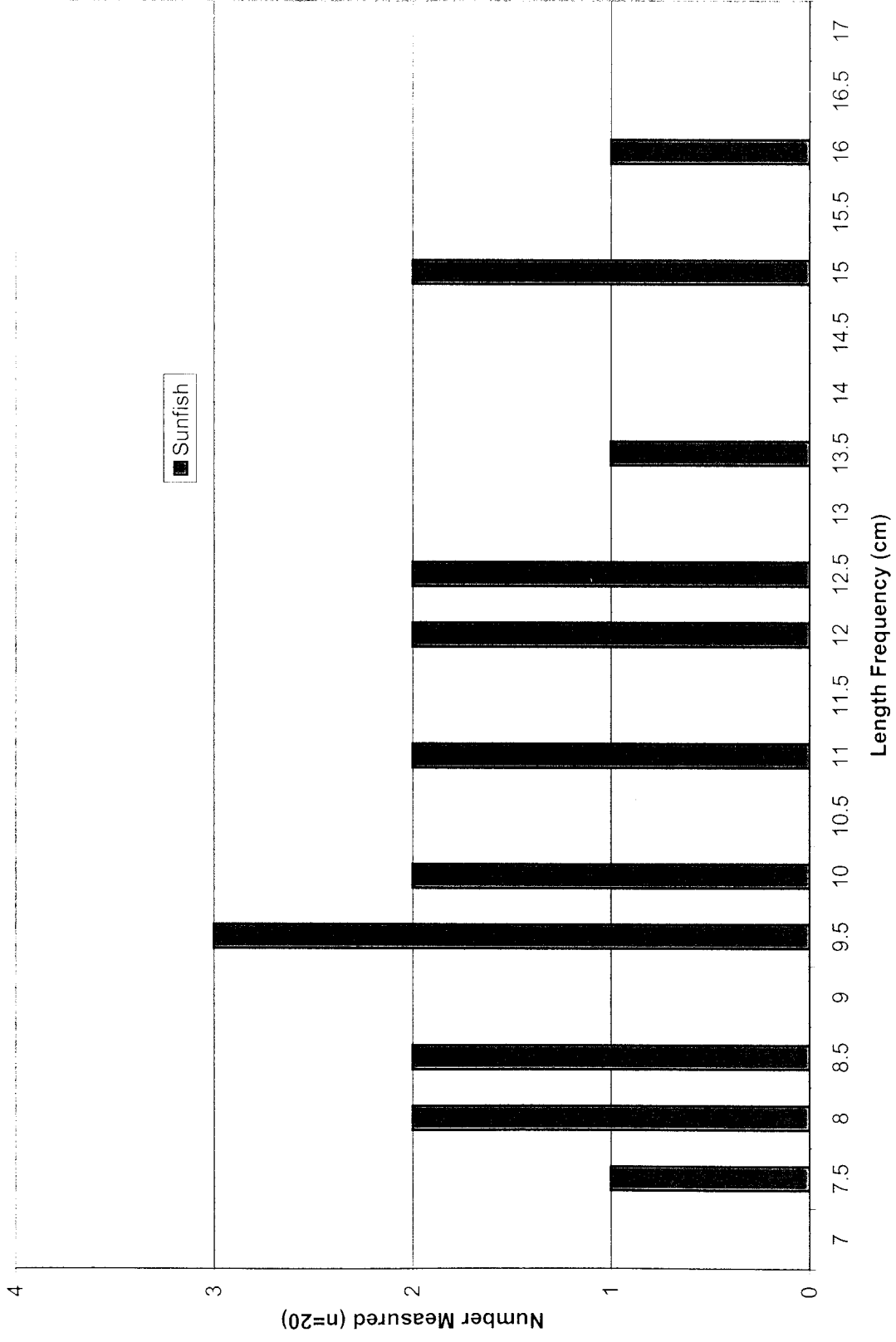


FIGURE 4  
Length Frequency of Redear and Bluegill Sunfish  
Antelope Lake 2002



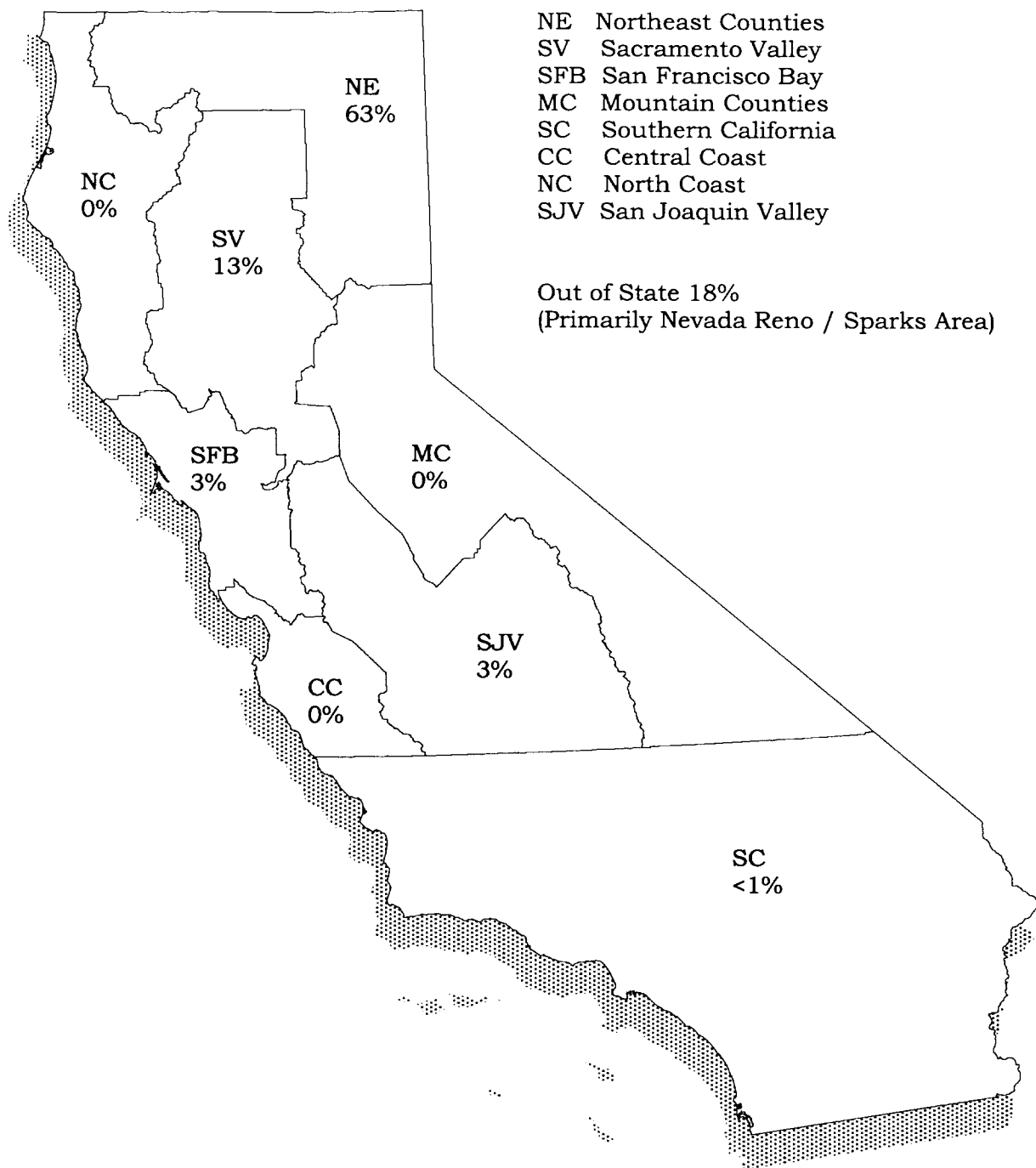


Figure 5 - Antelope Lake - Angler Origin by County Groups - 2002